

PLUS Search Results for S/N 10649527, Searched July 21, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5573461  
5735746  
5409423  
4882944  
6136134  
4172510  
4307627  
4339963  
4341130  
4378865  
4462270  
5236115  
5299468  
5460356  
5966996  
3577802  
6161450  
4464822  
4850799  
5188002  
5383540  
5425287  
5453056  
5579665  
5655416  
5944610  
5988343  
6003650  
6110046  
6234127  
3630049  
4046230  
4144630  
4166377  
4073047  
4083265  
4098373  
4242921  
4254847  
4262553  
4300383  
4302986  
4318309  
4395809  
4615237  
4813524  
4848551  
4849047  
4850243  
4872369

10649527\_CLS1.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10649527 on July 21, 2005

Original Classifications

11 74/574.4  
5 188/379  
4 74/574.2  
3 74/573.1  
2 29/436  
2 73/11.05  
2 74/573.12  
2 464/83

Cross-Reference Classifications

4 464/180  
3 74/573.12  
3 188/379  
3 464/89  
2 29/446  
2 29/451  
2 29/469.5  
2 74/573.1  
2 74/574.4  
2 123/90.31  
2 188/290  
2 188/322.5  
2 188/378  
2 464/68.3  
2 474/166

Combined Classifications

13 74/574.4  
8 188/379  
5 74/573.1  
5 74/573.12  
4 74/574.2  
4 464/180  
3 29/451  
3 123/90.31  
3 464/68.3  
3 464/89  
2 29/436  
2 29/446  
2 29/469.5  
2 73/11.05  
2 156/294  
2 188/290  
2 188/322.5  
2 188/378  
2 192/214.1  
2 192/70.17  
2 464/68.41  
2 464/83  
2 474/166

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10649527 on July 21, 2005

- 13 74/574.4 (11 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
Could not find subclass title.
- 8 188/379 (5 OR, 3 XR)  
Class 188 : BRAKES  
188/378 INERTIA OF DAMPING MASS DISSIPATES MOTION  
(E.G., VIBRATION DAMPER)  
188/379 .Resiliently supported damping mass
- 5 74/573.1 (3 OR, 2 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
Could not find subclass title.
- 5 74/573.12 (2 OR, 3 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
Could not find subclass title.
- 4 74/574.2 (4 OR, 0 XR)  
Class 074 : MACHINE ELEMENT OR MECHANISM  
Could not find subclass title.
- 4 464/180 (0 OR, 4 XR)  
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
464/179 SHAFTING  
464/180 .Particular vibration dampening or balancing  
structure
- 3 29/451 (1 OR, 2 XR)  
Class 029 : METAL WORKING  
29/592 METHOD OF MECHANICAL MANUFACTURE  
29/428 .Assembling or joining  
29/446 ..With prestressing of part  
29/450 ...Elastic joining of parts  
29/451 ....Confining elastic part in socket
- 3 123/90.31 (1 OR, 2 XR)  
Class 123 : INTERNAL-COMBUSTION ENGINES  
123/90.1 POPPET VALVE OPERATING MECHANISM  
123/90.31 .Camshaft drive means
- 3 464/68.3 (1 OR, 2 XR)  
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
could not find subclass title.
- 3 464/89 (0 OR, 3 XR)  
Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT  
464/87 .Nonmetallic element  
464/89 ..Extending between radially overlapping  
surfaces on driving and driven members
- 2 29/436 (2 OR, 0 XR)  
Class 029 : METAL WORKING  
29/592 METHOD OF MECHANICAL MANUFACTURE  
29/428 .Assembling or joining

29/434           ..Retaining clearance for motion between  
                  assembled parts

29/436           ...Through resilient media

2   29/446       (0 OR, 2 XR)  
      Class    029 : METAL WORKING  
      29/592       METHOD OF MECHANICAL MANUFACTURE  
      29/428       .Assembling or joining  
      29/446       ..With prestressing of part

2   29/469.5     (0 OR, 2 XR)  
      Class    029 : METAL WORKING  
      29/592       METHOD OF MECHANICAL MANUFACTURE  
      29/428       .Assembling or joining  
      29/469.5     ..Metal deforming with nonmetallic bonding

2   73/11.05     (2 OR, 0 XR)  
      Class    073 : MEASURING AND TESTING  
      73/11.04     TESTING OF SHOCK ABSORBING DEVICE (E.G.,  
                    AUTOMOBILE SHOCK ABSORBER, GUN RECOIL APPARATUS, ETC.)  
      73/11.05     .Torsional vibration damper

2   156/294      (1 OR, 1 XR)  
      Class    156 : ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL  
                    MANUFACTURE  
      156/1       METHODS  
      156/60      .Surface bonding and/or assembly therefor  
      156/293     ..Inserting of lamina in hole, aperture or  
                    recess of other lamina and adherence to side walls  
thereof

      156/294     ...Core within tube

2   188/290      (0 OR, 2 XR)  
      Class    188 : BRAKES  
      188/266     INTERNAL-RESISTANCE MOTION RETARDER  
      188/290     ..Using a rotary-type fluid damper

2   188/322.5    (0 OR, 2 XR)  
      Class    188 : BRAKES  
      188/266     INTERNAL-RESISTANCE MOTION RETARDER  
      188/322.5   ..Using viscosity of fluid medium

2   188/378      (0 OR, 2 XR)  
      Class    188 : BRAKES  
      188/378     INERTIA OF DAMPING MASS DISSIPATES MOTION  
                    (E.G., VIBRATION DAMPER)

2   192/214.1    (1 OR, 1 XR)  
      Class    192 : CLUTCHES AND POWER-STOP CONTROL  
      192/30R     CLUTCHES  
      192/200     .Clutch element resiliently carried on hub  
      192/207     ..Circumferential resilience  
      192/212     ...Coil spring  
      192/214     ....Interposed friction element  
      192/214.1   .....Biasing means

2   192/70.17    (1 OR, 1 XR)  
      Class    192 : CLUTCHES AND POWER-STOP CONTROL  
      192/30R     CLUTCHES  
      192/66.1    .Axially engaging  
      192/70.11   ..Interposed, mating clutch-elements  
      192/70.16   ...With torque connection between

192/70.17 clutch-element and its shaft  
 ....Resilient torque connection (e.g., for  
 damping vibration)

- 2 464/68.41 (1 OR, 1 XR)  
 Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
 FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
 could not find subclass title.
- 2 464/83 (2 OR, 0 XR)  
 Class 464 : ROTARY SHAFTS, GUDGEONS, HOUSINGS, AND  
 FLEXIBLE COUPLINGS FOR ROTARY SHAFTS  
 464/51 TORQUE TRANSMITTED VIA FLEXIBLE ELEMENT  
 464/81 .Plural circumferentially spaced elements  
 464/82 ..Extending between radially overlapping  
 surfaces on driving and driven members  
 464/83 ...Nonmetallic
- 2 474/166 (0 OR, 2 XR)  
 Class 474 : ENDLESS BELT POWER TRANSMISSION SYSTEMS OR  
 COMPONENTS  
 474/166 FRICTION DRIVE PULLEY OR GUIDE ROLL

ability 1  
 abstmct 1  
 accompanying 2  
 accomplish 1  
 according 3  
 achieve 3  
 adapted 2  
 adding 1  
 addition 2  
 additional 4  
 advantages 1  
 all 2  
 allow 1  
 alloy 3  
 also 4  
 although 1  
 aluminum 1  
 an 10  
 and 25  
 angle 1  
 any 2  
 apparent 1  
 appended 1  
 applicable 1  
 application 2  
 applications 1  
 arbor 1  
 are 4  
 art 3  
 as 8  
 at 2  
 attached 1  
 atty 4  
 atures 1  
 background 1  
 be 8  
 because 1  
 become 1  
 before 1  
 bonding 1  
 brvf 1  
 by 2  
 can 8  
 carefully 1  
 changes 1  
 characteristics 2  
 claims 3  
 combined 1  
 completely 1  
 component 5  
 components 2  
 comptment 1  
 concentric 1  
 configuration 1  
 configotions 1  
 conjunction 1  
 construction 1  
 control 1  
 conventional 7  
 conversely 1  
 cost 2  
 costly 2  
 course 1

cranksha 2  
 crankshaa 1  
 crankshaft 2  
 cranksiaft 1  
 curved 1  
 damper 13  
 dampers 9  
 damping 1  
 damping 5  
 daoer 1  
 defmed 1  
 departing 1  
 describes 1  
 description 2  
 description 1  
 design 1  
 desired 4  
 desked 1  
 detawed 1  
 discloses 1  
 disclosure 1  
 discussion 2  
 dmnpers 1  
 dnmping 1  
 docket 4  
 doer 1  
 drawing 1  
 drawings 1  
 drawwg 1  
 durable 2  
 each 1  
 efect 1  
 efrect 1  
 efrects 1  
 elastomer 4  
 elastomeric 3  
 elatomer 1  
 embodiments 1  
 embodmnt 1  
 emphasized 1  
 ended 1  
 engine 3  
 engines 1  
 equally 1  
 especially 2  
 ess 1  
 example 3  
 exemplary 1  
 exnmples 1  
 extend 1  
 fabricated 2  
 fabrication 1  
 factors 1  
 figure 2  
 fixed 1  
 following 2  
 for 15  
 foregoing 1  
 formed 3  
 frequency 1  
 from 1  
 fxedly 1  
 generally 4

geometries 1  
given 1  
greater 1  
has 2  
have 2  
having 2  
he 1  
however 2  
hwention 2  
illustrated 1  
illustrates 1  
illustration 1  
improve 1  
in 12  
include 1  
includes 2  
incre 1  
increase 1  
ing 1  
inner 9  
interconnect 1  
interconnected 1  
interconnecting 1  
interdependent 1  
intersect 1  
invention 8  
is 9  
it 2  
known 1  
kwention 1  
large 1  
lasting 1  
least 1  
length 2  
less 2  
lesser 1  
life 2  
like 1  
longer 2  
lower 1  
made 1  
masses 2  
materials 2  
member 1  
merely 1  
metal 12  
metallic 4  
modifications 1  
molding 1  
more 3  
mtrely 1  
natural 1  
ne 4  
necessary 2  
need 2  
non 1  
not 1  
number 1  
objects 1  
of 31  
om 5  
on 3  
one 4



only 1  
onto 1  
or 13  
order 2  
other 2  
otherwise 2  
outer 8  
page 4  
peater 1  
performing 1  
perspective 1  
piece 1  
place 1  
plurality 3  
preferably 2  
preferred 2  
preselected 3  
present 8  
provide 4  
provides 3  
providing 1  
puposes 1  
purposes 1  
radial 5  
radially 2  
readily 2  
receive 1  
recognize 1  
recorize 1  
relates 2  
relationship 1  
relative 1  
relatively 3  
replaced 1  
required 1  
requires 1  
ring 14  
rings 3  
rom 1  
rotated 1  
rotating 3  
rotation 1  
said 3  
scope 1  
sectlring 1  
securing 2  
seeks 2  
select 1  
sha 1  
shaft 2  
shais 1  
shalk, 1  
shape 1  
shapes 2  
shorter 2  
should 1  
shown 2  
size 1  
sizes 1  
skilled 3  
small 1  
sose 1  
specifically 1

specifk 1  
 spirit 1  
 spokes 10  
 sses 1  
 steel 1  
 step 3  
 sti 1  
 stieess 2  
 stiffness 1  
 straight 2  
 such 6  
 summary 1  
 taken 1  
 than 4  
 that 12  
 the 57  
 therein 1  
 therewith 1  
 these 1  
 thicker 1  
 thinner 1  
 those 3  
 thus 2  
 tie 1  
 tl 1  
 ttle 1  
 tmitary 1  
 to 24  
 torsional 13  
 torsionm 1  
 transverse 2  
 transversely 1  
 typically 3  
 unitmy 1  
 upon 1  
 use 2  
 useful 1  
 usually 1  
 variations 1  
 variety 1  
 various 2  
 vdmition 1  
 vehicle 1  
 vibration 13  
 vibrations 1  
 view 1  
 well 4  
 which 1  
 wide 1  
 will 3  
 with 6  
 without 3  
 wvention 1